Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/31/2022 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124896	-1	1.34	124822	1.35
Blue	F	SSC	125000	123009	-2	2.81	123532	2.75
Blue	E	FITC	13602	13140	-4	2.24	368	13.32
Blue	D	PE	24891	24304	-3	1.65	577	10.35
Blue	B	PerCP-Cy5-5	33972	33092	-3	3.01	946	14.44
Blue	A	PE-Cy7	22865	22799	-1	5.01	474	30.19
Red	C	APC	47198	46383	-2	2.53	1603	11.26
Red	A	APC-Cy7	26454	25726	-3	3.13	728	12.15
Violet	B	V450	6737	6428	-5	3.55	449	11.35
Violet	A	V500	29317	28220	-4	3.10	965	8.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24210	2.34	543	8	N/A	N/A	Pass
Blue	F	SSC	55347	2.10	517	-4	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	1	0.0446	109	Pass
Blue	D	PE	112	38.02	488	2	0.4031	279	Pass
Blue	B	PerCP-Cy5-5	149	41.34	581	2	0.0217	119	Pass
Blue	A	PE-Cy7	79	78.17	625	4	0.0228	0	Pass
Red	C	APC	337	25.69	572	0	0.0296	225	Pass
Red	A	APC-Cy7	136	34.42	550	-1	0.0066	1395	Pass
Violet	B	V450	76	44.87	451	1	0.0519	1784	Pass
Violet	A	V500	114	28.86	471	2	0.0251	510	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.67	-31.50	1.01
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	15.86	13.90 - 20.86	N/A	N/A	29.85	30.07	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11562

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments